

# 4K HDMI OVER IP MATRIX EXTENDER TRANSMITTER ONLY

Model Code: IMCS-IM02-TX

This 4K@60Hz HDMI over IP matrix transmitter enables switching, extension, & distribution of 4K@60Hz audio & video signals via an IGMP switch. Built on ipcolor STREAM technology, it delivers high-definition, low-latency transmission. The system supports up to 256 signal sources & allows switching between up to 256 receiving terminals. HDMI signals can be extended up to 120m over CAT6 or higher network cables, supporting both one-to-one & many-to-many configurations. Equipped with HDMI loop-out, bi-directional IR passback, RS-232 command control, I/O, & PoE support, this solution is ideal for use in audiovisual conferencing, transportation control centers, broadcasting, education, training, & other professional environments.



## Features:

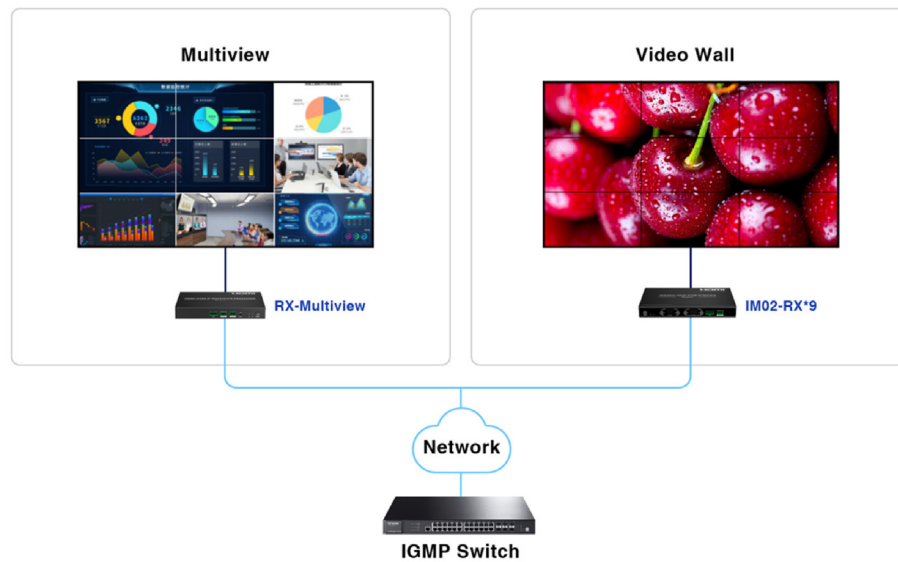
- Built on IPcolor STREAM technology to deliver high-definition & low-latency transmission.
- Supports up to 3840x2160@60Hz resolution
- Compatible with Cat6 or higher networking cables, up to 120m.
- Supports one-to-one or many-to-many connections through the gigabit switch.
- Supports RS-232 passthrough & control.
- The transmitter supports HDMI loop-out.
- Supports bi-directional IR pass-back (20-60 KHz); IR learning remote & control device by APP.
- Supports I/O interface control.
- Supports PoE (Power over Ethernet).
- Creating multi-screen splicing with up to 5x5 video wall through switch & controlled by APP.
- Supports 256 signal source inputs & 256 signal outputs, providing a flexible many-to-many matrix configuration (requires APP control operation while connecting more than 100 TX-to-RXs).
- Firmware upgrading via the Micro USB port.
- Lightning, surge & ESD protection.
- Stable 24/7 operation.

## SPECIFICATIONS

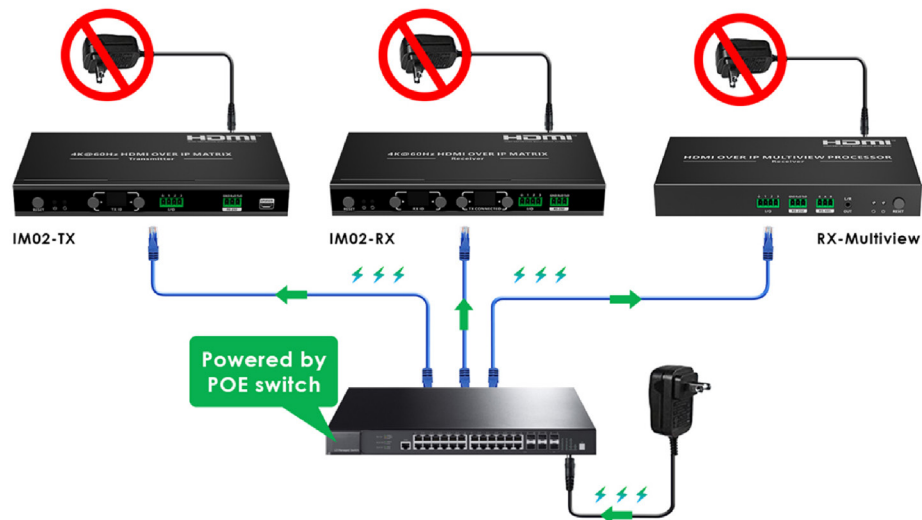
HDMI version	HDMI 2.0
HDCP version	HDCP1.4/HDCP2.2
Video bandwidth	18Gbps
HDMI resolution supported	4096x2160@24/30Hz, 3840x2160@24/30/50/60Hz, 1080p@50/60Hz, 720p@50/60Hz, 1920x1200@60Hz, 2560x1440@60Hz
HDMI connector	Type A, 19 pin, Female
LAN connector	RJ-45
Transmission distance	CAT5 80m / CAT5E 100m / CAT6 120m
Transmission latency	80ms ~ 130ms
Operation temperature	-20°C ~ 60°C
Storage temperature	-30°C ~ 70°C
Humidity	0-90% (Noncondensing)
Protection	Lightning Protection, Surge Protection, ESD Protection
Power consumption	TX<5.5w
Dimensions	191.0(L)x96.0(w)x25.0(H)mm
Weight	TX: 523g
Colour	Black
Housing	Metal



## Simultaneous Multi-view & Video Wall Support



## PoE (Power over Ethernet) Support



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## Connection Diagram

